HEALTH SCIENCE
I & II
STANDARDS

Learning that works for Nevada
CTE™

This document was prepared by:

Office of Career, Technical and Adult Education
Nevada Department of Education
755 N. Roop Street, Suite 201
Carson City, NV 89701

Adopted by the State Board of Education /
State Board for Career and Technical Education
September 4, 2013

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ACKNOWLEDGEMENT

The development of Nevada career and technical standards and assessments is a collaborative effort sponsored by the Office of Career, Technical and Adult Education at the Department of Education and the Career and Technical Education Consortium of States. The Department of Education relies on teachers and industry representatives who have the technical expertise and teaching experience to develop standards and performance indicators that truly measure student skill attainment. Most important, however, is recognition of the time, expertise and great diligence provided by the writing team members in developing the career and technical standards for Health Science I & II.

STANDARDS DEVELOPMENT MEMBERS

JW Hodge, NCEE
REMSA/Careflight, Reno

Dennis Ryan
East Career and Technical Academy, Las Vegas

Shannon La Neve, MA Ed
Clark County School District, Las Vegas

Dr. Patricia Castro
College of Southern Nevada, Las Vegas

Jody Covert MSN, RN
Truckee Meadows Community College, Reno

Kathleen Stynen, MS PSY
Reed High School, Reno

Kelly Wilson-Gustafson MA, LAT, ATC
Carson High School, Carson City

Frank Sakelarios, MS, LAT, ATC
Carson High School, Carson City

Eric Millette
City of Sparks Fire Department, Sparks

BUSINESS AND INDUSTRY VALIDATION

All CTE standards developed through the Nevada Department of Education are validated by business and industry through one or more of the following processes: (1) the standards are developed by a team consisting of business and industry representatives; or (2) a separate review panel was coordinated with industry experts to ensure the standards include the proper content; or (3) the adoption of nationally-recognized standards endorsed by business and industry.

The Health Science I & II standards were validated through active participation of business and industry representatives on the development team. The standards include the recommended Community Emergency Response Training (CERT) skills by Federal Emergency Management Agency (FEMA).

PROJECT COORDINATOR

Randi Hunewill, Education Programs Supervisor
Health Science and Public Safety
Office of Career, Technical and Adult Education
Nevada Department of Education

INTRODUCTION

The standards in this document are designed to clearly state what the student should know and be able to do upon completion of an advanced high school Health Science I & II program. These standards are designed for a three-credit course sequence that prepares the student for a technical assessment directly aligned to the standards.

These exit-level standards are designed for the student to complete all standards through their completion of a program of study. These standards are intended to guide curriculum objectives for a program of study.

The standards are organized as follows:

Content Standards are general statements that identify major areas of knowledge, understanding, and the skills students are expected to learn in key subject and career areas by the end of the program.

Performance Standards follow each content standard. Performance standards identify the more specific components of each content standard and define the expected abilities of students within each content standard.

Performance Indicators are very specific criteria statements for determining whether a student meets the performance standard. Performance indicators may also be used as learning outcomes, which teachers can identify as they plan their program learning objectives.

The crosswalk and alignment section of the document shows where the performance indicators support the English Language Arts and the Mathematics Common Core State Standards, and the Nevada State Science Standards. Where correlation with an academic standard exists, students in the Health Science I & II program perform learning activities that support, either directly or indirectly, achievement of one or more Common Core State Standards.

All students are encouraged to participate in the career and technical student organization (CTSO) that relates to their program area. CTSOs are co-curricular national associations that directly enforce learning in the CTE classroom through curriculum resources, competitive events, and leadership development. CTSOs provide students the ability to apply academic and technical knowledge, develop communication and teamwork skills, and cultivate leadership skills to ensure college and career readiness.

The Employability Skills for Career Readiness identify the "soft skills" needed to be successful in all careers, and must be taught as an integrated component of all CTE course sequences. These standards are available in a separate document.

The **Standards Reference Code** is only used to identify or align performance indicators listed in the standards to daily lesson plans, curriculum documents, or national standards.

Program Name	Standards Reference Code
Health Science I & II	HTSCI

Example: HTSCI.2.3.4

Standards	Content Standard	Performance Standard	Performance Indicator
Health Science I & II	2	3	4

CONTENT STANDARD 1.0 : CLASSIFY THE ACADEMIC PRINCIPLES OF HEALTH SCIENCE

PERFORMANCE STANDARD 1.1 : DEMONSTRATE KNOWLEDGE OF HUMAN ANATOMY AND PHYSIOLOGY

1.1.1	Interpret roots, suffixes, and prefixes of medical terminology
1.1.2	Recognize body planes, directional terms, quadrants, and cavities
1.1.3	Explain the anatomical structure and physiological functions of the human body
1.1.4	Analyze the basic structures and specialized function of the human body as they relate to age, wellness, disease, disorders, therapies, and care and rehabilitation

PERFORMANCE STANDARD 1.2 : RELATE PRINCIPLES OF ANATOMY AND PHYSIOLOGY TO DIAGNOSIS AND TREATMENT

1.2.1	Explain and describe common diseases and disorders of each body system (prevention, pathology, diagnosis, and treatment)
1.2.2	Explain the effects of chemicals, medications, and other agents on the human body or organ systems
1.2.3	Discuss the impact of genetics, gender, age, and environment on diseases, disorders, and individual health
1.2.4	Relate the knowledge of an abnormal anatomical structure or physiological response to disease
1.2.5	Investigate biomedical therapies, including alternative and complementary therapies, as they relate to prevention, pathology, and treatment of disease

PERFORMANCE STANDARD 1.3 : APPLY MATHEMATICS IN HEALTHCARE PRACTICE

1.3.1	Identify different systems of measurements used in healthcare
1.3.2	Apply the 24-hour clock to healthcare
1.3.3	Apply mathematical computations related to healthcare procedures (metric and customary conversions, and measurements)
1.3.4	Apply mathematical principles to problems involving dosage calculations and other applied mathematical concepts
1.3.5	Analyze charts, diagrams, graphs, and tables
1.3.6	Apply deductive and inductive reasoning using charts, diagrams, graphs, and tables
1.3.7	Construct charts, diagrams, graphs and tables to display medical data

CONTENT STANDARD 2.0 : EXAMINE HEALTHCARE SYSTEMS
PERFORMANCE STANDARD 2.1 : EVALUATE HEALTHCARE DELIVERY SYSTEMS (I.E., PRIVATE, PUBLIC, NON-PROFIT, GOVERNMENT)

2.1.1	Examine the roles and relationships of healthcare providers, clients, and others within the healthcare system
2.1.2	Analyze historical, political, cultural, and geographical influences on healthcare
2.1.3	Compare and contrast public, private, government, and non-profit systems, including reimbursement
2.1.4	Examine the roles of consumer groups on the healthcare delivery system
2.1.5	Critique common methods of payment for healthcare
2.1.6	Explain the impact of emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare systems
2.1.7	Adapt practices of green technology applicable to the healthcare setting that has environmental impact (i.e., recycling, energy efficiency, environmentally preferable chemical use, waste disposal, and water conservation)

CONTENT STANDARD 3.0 :	UNDERSTAND THE LEGAL AND ETHICAL RESPONSIBILITIES WITHIN THE HEALTHCARE SYSTEM

PERFORMANCE STANDARD 3.1 :	PERFORM DUTIES ACCORDING TO REGULATIONS, POLICIES, LAWS, AND LEGISLATED RIGHTS OF CLIENTS

3.1.1	Describe laws covering the practice of healthcare professionals
3.1.2	Compare licensure, certification, registration, and legislated scope of practice of healthcare professionals
3.1.3	Explain the role of policies and procedures in quality healthcare
3.1.4	Explain the Patient's Bill of Rights
3.1.5	Explain "consent"
3.1.6	Describe advance directives
3.1.7	Explain acceptable use of technology in the workplace
3.1.8	Explain practices that could result in malpractice, liability, and/or negligence
3.1.9	Explain mandated standards for harassment, labor, and employment laws
3.1.10	Identify the role of risk management in the healthcare setting
3.1.11	Analyze legal responsibilities and limitations of healthcare providers
3.1.12	Apply standards for Health Insurance Portability and Accountability Act (HIPAA)
3.1.13	Recognize common threats to confidentiality
3.1.14	Demonstrate procedures for accurate documentation and record keeping

PERFORMANCE STANDARD 3.2 :	EVALUATE THE ROLE OF ETHICAL ISSUES IMPACTING HEALTHCARE

3.2.1	Identify applicable medical ethics related to healthcare
3.2.2	Explore ethical issues impacting healthcare
3.2.3	Compare personal, professional, and organizational ethics

PERFORMANCE STANDARD 3.3 :	DEMONSTRATE PROFESSIONAL AND ETHICAL STANDARDS IMPACTING HEALTHCARE

3.3.1	Identify professional and unprofessional behaviors in healthcare
3.3.2	Identify medical practices that relate to diverse populations
3.3.3	Discuss the importance of respectful and empathetic interactions with diverse age, cultural, economic, ethnic, and religious groups
3.3.4	Describe the influence of religious and cultural values on healthcare practices
3.3.5	Critique professional standards related to ethical practice in healthcare
3.3.6	Demonstrate procedures for reporting activities and behaviors that affect health, safety, and welfare of others
3.3.7	Practice ethical behaviors in healthcare

CONTENT STANDARD 4.0 :   DEMONSTRATE METHODS OF COMMUNICATION IN THE HEALTHCARE SETTING

PERFORMANCE STANDARD 4.1 :   UTILIZE APPROPRIATE VERBAL AND NONVERBAL COMMUNICATION SKILLS

4.1.1	Recognize the elements of oral communication using a sender-receiver process
4.1.2	Interpret verbal and nonverbal communications
4.1.3	Recognize barriers to communication
4.1.4	Apply skills to assist in overcoming communication barriers
4.1.5	Apply communications for appropriate response and feedback
4.1.6	Demonstrate effective communication skills using reflection, restatement, and clarification techniques
4.1.7	Use accepted medical terminology to communicate data and observations
4.1.8	Classify communication styles based on healthcare scenarios
4.1.9	Report subjective and objective information
4.1.10	Report relevant information in sequential order
4.1.11	Practice confidentiality when communicating

PERFORMANCE STANDARD 4.2 :   UTILIZE WRITTEN AND ELECTRONIC COMMUNICATION

4.2.1	Recognize elements of written and electronic communication
4.2.2	Describe methods for planning and organizing written documents and assessments
4.2.3	Determine which format (written versus electronic, including social media), is most appropriate in a given situation
4.2.4	Demonstrate industry standards in written and electronic communication and documentation
4.2.5	Explain how electronic communication can conserve resources

CONTENT STANDARD 5.0 :   **DEMONSTRATE PROFESSIONAL STANDARDS IN THE HEALTHCARE SETTING**

PERFORMANCE STANDARD 5.1 :   **DEMONSTRATE WORKPLACE READINESS SKILLS**

5.1.1	Identify personal traits (desirable and undesirable) and attitudes of healthcare team members
5.1.2	Model professional standards of healthcare workers as they apply to hygiene, dress, language, confidentiality, substance use and abuse, and civil behavior
5.1.3	Apply Employability Skills in the healthcare setting*

PERFORMANCE STANDARD 5.2 :   **DEMONSTRATE CAREER DEVELOPMENT SKILLS**

5.2.1	Participate in a Career and Technical Student Organization (CTSO)
5.2.2	Compare potential health science career pathways using a variety of health careers within the diagnostic services, therapeutic services, health informatics services, support services, and biotechnology research and development
5.2.3	Outline educational and professional requirements for chosen career

*Reference Employability Skills for career readiness standards develop by NDOE (hyperlink)

CONTENT STANDARD 6.0 :	INTERPRET FUNDAMENTALS OF WELLNESS AND PREVENTION OF DISEASE

PERFORMANCE STANDARD 6.1 :	DESCRIBE AND APPLY BEHAVIORS FOR PREVENTION OF DISEASES AND PROMOTION OF HEALTH AND WELLNESS

6.1.1	Describe practices, behaviors, and lifestyle choices that promote health and wellness
6.1.2	Illustrate safety practices that minimize negative consequences related to health behaviors
6.1.3	Analyze risk factors and consequences of unhealthy behaviors
6.1.4	Describe strategies for prevention of diseases, including health screenings and examinations
6.1.5	Develop a wellness plan that can be used in personal and professional life
6.1.6	Compare and contrast traditional, complementary, and alternative healthcare
6.1.7	Evaluate how research and medical advances influence the prevention and control of illnesses and diseases

CONTENT STANDARD 7.0 :	UNDERSTAND THE ROLES AND RESPONSIBILITIES OF INDIVIDUAL MEMBERS AS PART OF THE HEALTHCARE TEAM

PERFORMANCE STANDARD 7.1 :	DESCRIBE CHARACTERISTICS OF AN EFFECTIVE HEALTHCARE TEAM

7.1.1	Explain characteristics of effective teams
7.1.2	Research the roles and responsibilities of healthcare team members
7.1.3	Model effective healthcare team behavior

PERFORMANCE STANDARD 7.2 :	UNDERSTAND METHODS FOR BUILDING POSITIVE TEAM RELATIONSHIPS

7.2.1	Recognize methods for building positive team relationships
7.2.2	Demonstrate effective collaboration and communication skills
7.2.3	Recognize conditions that may lead to conflict
7.2.4	Apply effective techniques for managing team conflict
7.2.5	Demonstrate conflict resolution and reinforce positive outcomes
7.2.6	Analyze attributes and attitudes of an effective leader

CONTENT STANDARD 8.0 : UNDERSTAND SAFETY PRACTICES

PERFORMANCE STANDARD 8.1 : IDENTIFY PROCEDURES MANDATED BY LOCAL, STATE, AND FEDERAL GUIDELINES

8.1.1	Explain safety signs, symbols, and labels
8.1.2	Describe the various types of exposures and reporting procedures
8.1.3	Describe the purpose and the application of the Material Safety Data Sheets (MSDS)
8.1.4	Describe personal safety procedures and equipment use based on Occupational Safety and Health Administration (OSHA) ,Center of Disease Control (CDC), and National Institutes of Health protocols
8.1.5	Compare and contrast local, state, and federal safety regulations

PERFORMANCE STANDARD 8.2 : EXPLAIN PRINCIPLES OF INFECTION CONTROL

8.2.1	Identify microorganisms that may cause disease
8.2.2	Identify the components of the cycle of infection
8.2.3	Identify methods to control microorganisms in a physical environment
8.2.4	Identify opportunities to stop the cycle of infection throughout the various stages
8.2.5	Explain components of an effective infection control program
8.2.6	Apply principles of infection control

PERFORMANCE STANDARD 8.3 : UNDERSTAND APPROPRIATE SAFETY TECHNIQUES

8.3.1	Recognize the necessity for safety in the workplace
8.3.2	Discuss safety policies and procedures in the workplace
8.3.3	Evaluate various environments for safety concerns, including dangerous materials and toxic chemicals
8.3.4	Demonstrate principles of body mechanics and ergonomics and the correct use of equipment
8.3.5	Practice safety techniques to prevent accidents

PERFORMANCE STANDARD 8.4 : UNDERSTAND EMERGENCY MANAGEMENT AND PREPAREDNESS	
8.4.1	Differentiate between routine and disaster medical care
8.4.2	Demonstrate knowledge of emergency procedures and emergency operation centers
8.4.3	Understand basic fire science
8.4.4	Practice fire safety in a healthcare setting
8.4.5	Compare and explain triage methods
8.4.6	Practice principles of basic emergency response
8.4.7	Apply the principles of emergency response to natural disasters and other emergencies
8.4.8	Prioritize appropriate response for various emergency scenarios
8.4.9	Identify responder stressors and management
8.4.10	Identify potential psychological responses to emergency scenarios
8.4.11	Identify potential psychological outcomes for victims and responders
8.4.12	Differentiate among the National Incident Management System (NIMS) and various state and local systems
8.4.13	Practice a light search and rescue drill
8.4.14	Identify potential targets of terrorism in the community
8.4.15	Analyze appropriate actions to take following a suspected terrorist incident
8.4.16	Research Nevada emergency management infrastructure

CONTENT STANDARD 9.0 : APPLY TECHNICAL SKILLS REQUIRED FOR HEALTHCARE CAREERS

PERFORMANCE STANDARD 9.1 : DEMONSTRATE HEALTHCARE SKILLS AND KNOWLEDGE

9.1.1	Demonstrate First Aid skills to reduce or prevent injuries
9.1.2	Apply procedures to correctly measure and record vital signs
9.1.3	Obtain Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) certification through the American Heart Association or the American Red Cross

PERFORMANCE STANDARD 9.2 : UTILIZE APPROPRIATE ASSESSMENT TOOLS TO EVALUATE INDIVIDUAL SITUATIONS

9.2.1	Identify sources of information available that contribute to patient care
9.2.2	Explain assessment tools and their uses in scientific investigations
9.2.3	Record patient data on appropriate forms
9.2.4	Describe how science, technology, and society influence assessment
9.2.5	Utilize the scientific method to evaluate individual situations
9.2.6	Analyze patient trends when reviewing medical information
9.2.7	Predict patient outcomes using patient data

CONTENT STANDARD 10.0 : IMPLEMENT THE COMPONENTS OF HEALTH INFORMATION MANAGEMENT

PERFORMANCE STANDARD 10.1 : INTERPRET RECORDS AND FILES COMMON TO HEALTHCARE

10.1.1	Determine policies and procedures required by local, state, and national organization levels
10.1.2	Evaluate the formats for reporting results to a variety of audiences
10.1.3	Differentiate between types and content of health records (patient, pharmacy, and laboratory)
10.1.4	Interpret tables, charts, illustrations, and graphs when making arguments and claims in oral and written presentations
10.1.5	Analyze health care information recorded in files and electronic documents common to healthcare

PERFORMANCE STANDARD 10.2 : UTILIZE HEALTH INFORMATION TECHNOLOGY TO SECURELY ACCESS AND DISTRIBUTE PATIENT HEALTH DATA AND OTHER HEALTH–RELATED INFORMATION

10.2.1	Explore technology applications in healthcare
10.2.2	Utilize health information exchange technology and other digital tools to collect, organize, and analyze data
10.2.3	Apply appropriate methods to utilize electronic medical records (EMR)
10.2.4	Communicate using technology to access and distribute data and other information
10.2.5	Correlate data received from health information technology applications for coordination of patient care
10.2.6	Apply the fundamentals of security, privacy, and confidentiality protocols
10.2.7	Create digital text, images, sound, and video for use in communication

CROSSWALKS AND ALIGNMENTS OF
HEALTH SCIENCE I & II STANDARDS
AND THE COMMON CORE STATE STANDARDS,
THE NEVADA SCIENCE STANDARDS,
AND THE COMMON CAREER TECHNICAL CORE STANDARDS

CROSSWALKS (ACADEMIC STANDARDS)

The crosswalk of the Health Science I & II Standards shows links to the Common Core State Standards for English Language Arts and Mathematics and the Nevada Science Standards. The crosswalk identifies the performance indicators in which the learning objectives in the Health Science I & II program support academic learning. The performance indicators are grouped according to their content standard and are crosswalked to the English Language Arts and Mathematics Common Core State Standards and the Nevada Science Standards.

ALIGNMENTS (MATHEMATICAL PRACTICES)

In addition to correlation with the Common Core Mathematics Content Standards, many performance indicators support the Common Core Mathematical Practices. The following table illustrates the alignment of the Health Science I & II Standards Performance Indicators and the Common Core Mathematical Practices. This alignment identifies the performance indicators in which the learning objectives in the Health Science I & II program support academic learning.

CROSSWALKS (COMMON CAREER TECHNICAL CORE)

The crosswalk of the Health Science I & II Standards shows links to the Common Career Technical Core. The crosswalk identifies the performance indicators in which the learning objectives in the Health Science I & II program support the Common Career Technical Core. The Common Career Technical Core defines what students should know and be able to do after completing instruction in a program of study. The Health Science I & II Standards are crosswalked to the Health Science Career Cluster™ and the Therapeutic Career Pathway.

CROSSWALK OF HEALTH SCIENCE I & II STANDARDS
AND THE COMMON CORE STATE STANDARDS

CONTENT STANDARD 1.0: CLASSIFY THE ACADEMIC PRINCIPLES OF HEALTH SCIENCE

Performance Indicators	Common Core State Standards and Nevada Science Standards
1.1.1	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	Math: Algebra – Seeing Structure in Expressions
	HSA-SSE.A.1a Interpret parts of an expression, such as terms, factors, and coefficients.
1.1.3	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
	Science: Life Science
	L.12.B.2 Students know the human body has a specialized anatomy and physiology composed of an hierarchical arrangement of differentiated cells.
1.1.4	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Science: Life Science
	L.12.B.2 Students know the human body has a specialized anatomy and physiology composed of an hierarchical arrangement of differentiated cells.
1.2.1	**Science: Life Science**
	L.12.B.3 Students know disease disrupts the equilibrium that exists in a healthy organism.

1.2.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
	Health
	1.12.6 Analyze the physiological, psychological, and social effects of substance use and abuse.
	Science: Life Science
	L.12.B.3 Students know disease disrupts the equilibrium that exists in a healthy organism.
1.2.3	**Health**
	1.12.1 Evaluate the impact of family history, health choices, and stress on individual health.
	1.12.11 Analyze how the environment influences personal and community health.
	Science: Life Science
	L.12.D.2 Students know similarity of DNA sequences gives evidence of relationships between organisms.
1.2.4	**Science: Life Science**
	L.12.B.3 Students know disease disrupts the equilibrium that exists in a healthy organism.
1.2.5	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Health
	1.12.9 Evaluate how research and medical advances influence the prevention and control of illness/disease.
1.3.3	**Math: Statistics and Probability – Conditional Probability and the Rules of Probability**
	HSS-CP.B.7 Apply the Addition Rule, P(A or B) = P(A) + P(B) – P(A and B), and interpret the answer in terms of the model.
1.3.4	**Math: Statistics and Probability – Conditional Probability and the Rules of Probability**
	HSS-CP.B.7 Apply the Addition Rule, P(A or B) = P(A) + P(B) – P(A and B), and interpret the answer in terms of the model.

1.3.5	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**	
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8	Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects	
	WHST.11-12.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Science: Nature of Science	
	N.12.A.1	Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations.
1.3.6	**Science: Nature of Science**	
	N.12.A.1	Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations.

CONTENT STANDARD 2.0: EXAMINE HEALTHCARE SYSTEMS

Performance Indicators	Common Core State Standards and Nevada Science Standards
2.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation. **Science: Nature of Science** N.12.B.2 Students know consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts.
2.1.3	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **Health** 5.12.4 Examine community barriers that can hinder healthy decision making. **Math: Functions – Interpreting Functions** HSF-IF.C.9 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).
2.16	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **Science: Nature of Science** N.12.B.1 Students know science, technology, and society influenced one another in both positive and negative ways.

2.1.7	**Science: Earth and Space**	
	E.12.C.4	Students know processes of obtaining, using, and recycling of renewable and non-renewable resources.
	Science: Nature of Science	
	N.12.B.1	Students know science, technology, and society influenced one another in both positive and negative ways.
	N.12.B.2	Students know consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts.

CONTENT STANDARD 3.0: UNDERSTAND THE LEGAL AND ETHICAL RESPONSIBILITIES WITHIN THE HEALTHCARE SYSTEM

Performance Indicators	Common Core State Standards and Nevada Science Standards
3.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
3.1.6	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well reasoned exchange of ideas. SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
3.1.11	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
3.1.14	**Science: Nature of Science** N.12.A.2 Students know scientists maintain a permanent record of procedures, data, analyses, decisions, and understandings of scientific investigations.

3.2.3	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **Science: Nature of Science** N.12.B.3 Students know the influence of ethics on scientific enterprise.
3.3.3	**English Language Arts: Speaking and Listening Standards** SL.11-12.2 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data. SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks. **Health** 4.12.2 Communicate acceptance of physical and developmental characteristics of self and others. 5.12.4 Examine community barriers that can hinder healthy decision making.
3.3.4	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well reasoned exchange of ideas. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **Health** 2.12.1 Analyze how various sources support and challenge health beliefs, practices, and behaviors. 5.12.4 Examine community barriers that can hinder healthy decision making.
3.3.5	**Science: Nature of Science** N.12.B.3 Students know the influence of ethics on scientific enterprise.
3.3.6	**Health** 1.12.7 Examine ways to reduce or prevent injuries and violence.
3.3.7	**Science: Nature of Science** N.12.B.3 Students know the influence of ethics on scientific enterprise.

CONTENT STANDARD 4.0: DEMONSTRATE METHODS OF COMMUNICATION IN THE HEALTH CARE SETTING

Performance Indicators	Common Core State Standards and Nevada Science Standards
4.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7　Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.9　Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a　Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well reasoned exchange of ideas. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8　Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
4.1.4	**Health** 4.12.1　　　　　　Apply refusal, negotiation and collaboration skills to enhance health.
4.1.5	**Health** 4.12.5　　　　　　Apply strategies to prevent or resolve interpersonal conflicts without harming self or other.
4.2.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9　Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a　Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well reasoned exchange of ideas. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8　Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

CONTENT STANDARD 5.0: DEMONSTRATE PROFESSIONAL STANDARDS IN THE HEALTHCARE SETTING

Performance Indicators	Common Core State Standards and Nevada Science Standards
5.2.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

CONTENT STANDARD 6.0: INTERPRET FUNDAMENTALS OF WELLNESS AND PREVENTION OF DISEASE

Performance Indicators	Common Core State Standards and Nevada Science Standards
6.1.1	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **Health** 7.12.5 Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).
6.1.2	**Health** 1.12.7 Examine ways to reduce or prevent injuries and violence.
6.1.3	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **Health** 1.12.8 Analyze personal susceptibility to injury, illness, or death if engaging in risky behaviors.
6.1.4	**Health** 1.12.12 Explain how an informed health consumer may prevent illness/disease (health services and product choices). **Math: Statistics and Probability – Conditional Probability and the Rules of Probability** HSS-CP.B.7 Apply the Addition Rule, $P(A \text{ or } B) = P(A) + P(B) - P(A \text{ and } B)$, and interpret the answer in terms of the model.
6.1.5	**Health** 5.12.1 Formulate an effective plan for personal health enhancement. 6.12.2 Execute a plan that addresses strengths, needs, and risks to attain personal health goals.

6.1.6	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
6.1.7	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Health
	1.12.9 Evaluate how research and medical advances influence the prevention and control of illness/disease.
	1.12.12 Explain how an informed health consumer may prevent illness/disease (health services and product choices).
	Science: Nature of Science
	N.12.B.4 Students know scientific knowledge builds on previous information.

CONTENT STANDARD 7.0: **UNDERSTAND THE ROLES AND RESPONSIBILITIES OF INDIVIDUAL MEMBERS AS PART OF THE HEALTHCARE TEAM**

Performance Indicators	Common Core State Standards and Nevada Science Standards
7.1.1	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
7.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
7.2.4	**Health** 4.12.5 Apply strategies to prevent or resolve interpersonal conflicts without harming self or others.
7.2.5	**Health** 4.12.5 Apply strategies to prevent or resolve interpersonal conflicts without harming self or others.
7.2.6	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

CONTENT STANDARD 8.0: UNDERSTAND SAFETY PRACTICES

Performance Indicators	Common Core State Standards and Nevada Science Standards
8.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
8.1.4	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation. **English Language Arts: Speaking and Listening Standards** SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas. **Health** 1.12.7 Examine ways to reduce or prevent injuries and violence 7.12.5 Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).
8.2.3	**Health** 3.12.1 Evaluate the validity of health, information, products, and health services. **Science: Life Science** L.12.C.1 Students know relationships of organisms and their physical environment.
8.2.4	**Health** 1.12.9 Evaluate how research and medical advances influence the prevention and control of illness/disease. 7.12.7 Evaluate personal responsibility in promoting health and avoiding or reducing risky behaviors to self and others. **Science: Life Science** L.12.B3 Students know disease disrupts the equilibrium that exists in a healthy organism.

8.2.5	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
	Health
	2.12.1 Analyze how various sources support and challenge health beliefs, practices, and behaviors.
8.2.6	**Health**
	1.12.8 Analyze personal susceptibility to injury, illness, or death if engaging in risky behaviors.
	1.12.12 Explain how an informed health consumer may prevent illness/disease (health services and product choices).
	3.12.2 Use resources from home, school, and community that provide reliable health services and health product information.
	7.12.7 Evaluate personal responsibility in promoting health and avoiding or reducing risky behaviors to self and others.
8.3.2	**English Language Arts: Speaking and Listening Standards**
	SL.11-12.2 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.
	SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
8.3.3	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7 Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Health
	1.12.8 Analyze personal susceptibility to injury, illness, or death if engaging in risky behaviors.
	Science: Nature of Science
	N.12.A.4 Students know how to safely conduct an original scientific investigation using the appropriate tools and technology.

8.3.5	**Health**
	1.12.7	Examine ways to reduce or prevent injuries and violence.
	7.12.5	Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).

8.4.1	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

8.4.3	**Science: Physical Science**
	P.12.A.1	Students know different molecular arrangements and motions account for the different physical properties of solids, liquids, and gases.

8.4.4	**Health**
	7.12.5	Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).

8.4.5	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

8.4.6	**Health**
	7.12.5	Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).

8.4.13	**Health**
	7.12.5	Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).

8.4.15	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8	Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

CONTENT STANDARD 9.0: **APPLY TECHNICAL SKILLS REQUIRED FOR HEALTHCARE CAREERS**

Performance Indicators	Common Core State Standards and Nevada Science Standards	
9.1.1	**Health**	
	1.12.7	Examine ways to reduce or prevent injuries and violence.
	7.12.5	Demonstrate a variety of practices and behaviors that will avoid injury and reduce risks of injury to self and others. (i.e., Impaired driving, seatbelt usage, fighting, self-harming behaviors).
9.1.2	**Math: Statistics and Probability – Conditional Probability and the Rules of Probability**	
	HSS-CP.B.7	Apply the Addition Rule, $P(A \text{ or } B) = P(A) + P(B) – P(A \text{ and } B)$, and interpret the answer in terms of the model.
	HSS-CP.B.8	(+) Apply the general Multiplication Rule in a uniform probability model, $P(A \text{ and } B) = P(A)P(B|A) = P(B)P(A|B)$, and interpret the answer in terms of the model.
9.2.1	**Health**	
	2.12.1	Analyze how various sources support and challenge health beliefs, practices, and behaviors.
9.2.2	**Science: Nature of Science**	
	N.12.A.4	Students know how to safely conduct an original scientific investigation using the appropriate tools and technology.
9.2.4	**English Language Arts: Speaking and Listening Standards**	
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.
9.2.5	**Science: Nature of Science**	
	N.12.A.4	Students know how to safely conduct an original scientific investigation using the appropriate tools and technology.
9.2.6	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects**	
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.8	Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects	
	WHST.11-12.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	Science: Nature of Science	
	N.12.A.6	Students know organizational schema can be used to represent and describe relationships of sets.

CONTENT STANDARD 10.0: IMPLEMENT THE COMPONENTS OF HEALTH INFORMATION MANAGEMENT

Performance Indicators	Common Core State Standards and Nevada Science Standards
10.1.2	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7　Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8　Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9　Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7　Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
10.1.4	**Math: Algebra – Seeing Structure in Expressions** HSA-SSE.A.1a　Interpret parts of an expression, such as terms, factors, and coefficients. **Science: Nature of Science** N.12.A.1　Students know tables, charts, illustrations and graphs can be used in making arguments and claims in oral and written presentations.
10.1.5	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7　Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8　Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9　Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible. **English Language Arts: Writing Standards for Literacy in Science and Technical Subjects** WHST.11-12.7　Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
10.2.1	**English Language Arts: Reading Standards for Literacy in Science and Technical Subjects** RST.11-12.7　Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem. RST.11-12.8　Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9　Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.

10.2.2	**Health**	
	3.12.2	Use resources from home, school, and community that provide reliable health services and health product information.
10.2.3	**Science: Nature of Science**	
	N.12.A.2	Students know scientists maintain a permanent record of procedures, data, analyses, decisions, and understandings of scientific investigations.

ALIGNMENT OF HEALTH SCIENCE I & II STANDARDS
AND THE COMMON CORE MATHEMATICAL PRACTICES

Common Core Mathematical Practices	Health Science I & II Performance Indicators
1. Make sense of problems and persevere in solving them.	1.3.4 6.1.3 8.4.15
2. Reason abstractly and quantitatively.	1.2.1 6.1.6 9.2.5
3. Construct viable arguments and critique the reasoning of others.	1.1.4 10.1.4; 10.2.5
4. Model with mathematics.	1.3.1, 1.3.2, 1.3.3
5. Use appropriate tools strategically.	8.3.4, 8.3.5; 8.4.4 9.2.2 10.2.3
6. Attend to precision.	1.3.7 9.1.2
7. Look for and make use of structure.	1.1.3 9.2.5
8. Look for and express regularity in repeated reasoning.	1.3.5, 1.3.6

CROSSWALKS OF HEALTH SCIENCE I & II STANDARDS
AND THE COMMON CAREER TECHNICAL CORE

Health Science Career Cluster™ (HL)	Performance Indicators
1. Determine academic subject matter, in addition to high school graduation requirements, necessary for pursuing a health science career.	1.1.1-1.1.3, 1.2.1 1.3.3-1.3.5
2. Explain the healthcare worker's role within their department, their organization, and the overall healthcare system.	2.1.1 10.2.4, 10.2.6
3. Identify existing and potential hazards to clients, coworkers, visitors, and self in the healthcare workplace.	8.1.4-8.1.5, 8.2.6 8.3.1-8.3.3, 8.4.14
4. Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.	2.1.1 7.1.1-7.1.3
5. Analyze the legal and ethical responsibilities, limitations and implications of actions within the healthcare workplace.	3.1.1-3.1.2, 3.1.8 3.1.11-3.1.12, 3.2.1
6. Evaluate accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare workplace.	3.2.1, 3.3.2, 3.3.4, 3.3.7
Therapeutic Services Career Pathway (HL-THR)	**Performance Indicators**
1. Utilize communication strategies to answer patient/client questions and concerns on planned procedures and goals.	4.1.6-4.1.7, 4.1.10 4.2.1, 4.2.3-4.2.4
2. Communicate patient/client information among healthcare team members to facilitate a team approach to patient care.	4.1.6-4.1.7, 4.1.10 4.2.1, 4.2.3-4.2.4 7.1.1, 7.1.3, 7.2.4, 7.2.6
3. Utilize processes for assessing, monitoring and reporting patient's/clients' health status to the treatment team within protocol and scope of practice.	3.1.14, 3.3.6 9.2.4
4. Evaluate patient/client needs, strengths and problems in order to determine if treatment goals are being met.	9.1.2, 9.2.1 9.2.3, 9.2.6-9.2.7